

Product Information

Anti-S-100

produced in rabbit, IgG fraction of antiserum

Catalog Number **S2644**

Product Description

Anti-S-100 is produced in rabbit using as immunogen purified S-100 from bovine brain. Whole antiserum is purified to provide an IgG fraction of antiserum.

Anti-S-100 is immunospecific for the S-100 protein by immunoelectrophoresis versus purified S-100. No reactivity is observed versus normal human serum.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the product followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum results in single arcs of precipitation in the gamma region.

In immunohistology, the product specifically stains the S-100 protein, which is widely distributed in both neural and non-neural tissues and tumors. It is reactive in human, rat, guinea pig, and bovine. In the brain, it stains glial and ependymal cells, as well as Schwann cells of the peripheral nervous system. In the skin, melanocytes and Langerhans cells are stained. In lymph nodes, interdigitating reticulum cells are positive. Almost all human benign and malignant melanocytic tumors of the skin and metastases of human malignant melanoma show specific S-100 staining.

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, solution may be frozen in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

Product Profile

Immunohistochemistry: the optimal working concentration range was determined to be 20-100 µg/ml by indirect staining of formalin-fixed, paraffin-embedded sections of human or animal cerebellum or tongue.

Note: In order to obtain best results, it is recommended that each individual user determine their optimum working concentrations by titration assay.

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